

# AUTHOR INDEX OF VOLUME 78\*

- Bardet, J.P., Finite element analysis of surface instability in hypo-elastic solids (3) 273-296
- Belytschko, T., see Fish, J. (2) 181-200
- Benson, D.J. and J.O. Hallquist, A single surface contact algorithm for the post-buckling analysis of shell structures (2) 141-163
- Borja, R.I. and S.R. Lee, Cam-Clay plasticity, Part 1: Implicit integration of elasto-plastic constitutive relations (1) 49-72
- Caussignac, P. and R. Touzani, Solution of three-dimensional boundary layer equations by a discontinuous finite element method, Part 1: Numerical analysis of a linear model problem (3) 249-271
- Chang, C.L., see Jiang, B.N. (3) 297-329
- Chen, Z.Q. and X. Ji, A new approach to finite deformation problems of elastoplasticity - boundary element analysis method (1) 1-18
- Destuynder, P. and T. Nevers, Some numerical aspects of mixed finite elements for bending plates (1) 73-87
- Edlund, U. and A. Klarbring, Analysis of elastic and elastic-plastic adhesive joints using a mathematical programming approach (1) 19-47
- Fish, J. and T. Belytschko, A finite element with a unidirectionally enriched strain field for localization analysis (2) 181-200
- Hallquist, J.O., see Benson, D.J. (2) 141-163
- Ji, X., see Chen, Z.Q. (1) 1-18
- Jiang, B.-N. and C.L. Chang, Least-squares finite elements for Stokes problem (3) 297-311
- Klarbring, A., see U. Edlund (1) 19-47
- Knupp, P.M., On the invertibility of the isoparametric map (3) 313-329
- Lee, S.R., see Borja, R.I. (1) 49-72
- Liou, J., see Tezduyar, T.E. (2) 165-179
- Nevers, T., see Destuynder, P. (1) 73-87

\* The issue number is given in front of the page numbers.

- Oden, J.T., see Strouboulis, T. (2) 201 – 242
- Peraire, J., see Zienkiewicz, O.C. (1) 105 – 121
- Petrolito, J., Hybrid-Trefftz quadrilateral elements for thick plate analysis (3) 331 – 351
- Strouboulis, T. and J.T. Oden, A posteriori error estimation of finite element approximations in fluid mechanics (2) 201 – 242
- Szmelter, J., see Zienkiewicz, O.C. (1) 105 – 121
- Tessler, A., A  $C^0$ -anisoparametric three-node shallow shell element (1) 89 – 103
- Tezduyar, T.E. and J. Liou, Adaptive implicit-explicit finite element algorithms for fluid mechanics problems (2) 165 – 179
- Touzani, R., see Caussignac, P. (3) 249 – 271
- X. Zhiyun, The Hamiltonian system and the spline function (2) 125 – 139
- Zienkiewicz, O.C., J. Szmelter and J. Peraire, Compressible and incompressible flow: An algorithm for all seasons (1) 105 – 121

## SUBJECT INDEX OF VOLUME 78\*

### *Finite difference methods*

- On the invertibility of the isoparametric map, P.M. Knupp (3) 313-329

### *Finite element and matrix methods*

- Analysis of elastic and elastic-plastic adhesive joints using a mathematical programming approach, U. Edlund and A. Klarbring (1) 19-47  
Cam-Clay plasticity, Part 1: Implicit integration of elasto-plastic constitutive relations, I. Borja and S.R. Lee (1) 49-72  
Some numerical aspects of mixed finite elements for bending plates, P. Destuynder and T. Nevers (1) 73-87  
A C<sup>0</sup>-anisoparametric three-node shallow shell element, A. Tessler (1) 89-103  
A single surface contact algorithm for the post-buckling analysis of shell structures, D.J. Benson and J.O. Hallquist (2) 141-163  
Adaptive implicit-explicit finite element algorithms for fluid mechanics problems, T.E. Tezduyar and J. Liou (2) 165-179  
A finite element with a unidirectionally enriched strain field for localization analysis, J. Fish and T. Belytschko (2) 181-200  
A posteriori error estimation of finite element approximations in fluid mechanics, T. Strouboulis and J.T. Oden (2) 201-242  
Solution of three-dimensional boundary layer equations by a discontinuous finite element method, Part I: Numerical analysis of a linear model problem, P. Caussignac and R. Touzani (3) 249-271  
Finite element analysis of surface instability in hypo-elastic solids, J.P. Bardet (3) 273-296  
On the invertibility of the isoparametric map, P.M. Knupp (3) 313-329  
Hybrid-Trefftz quadrilateral elements for thick plate analysis, J. Petrolito (3) 331-351

### *Fluid mechanics*

- Compressible and incompressible flow: An algorithm for all seasons, O.C. Zienkiewicz, J. Szmelter and J. Peraire (1) 105-121  
Adaptive implicit-explicit finite element algorithms for fluid mechanics problems, T.E. Tezduyar and J. Liou (2) 165-179  
A posteriori error estimation of finite element approximations in fluid mechanics, T. Strouboulis and J.T. Oden (2) 201-242

\* The issue number is given in front of the page numbers.

- Solution of three-dimensional boundary layer equations by a discontinuous finite element method, Part I: Numerical analysis of a linear model problem, P. Caussignac and R. Touzani (3) 249–271
- Least-squares finite elements for Stokes problem, B.-N. Jiang and C.L. Chang (3) 297–311
- Incompressible and near incompressible media*
- Compressible and incompressible flow: An algorithm for all seasons, O.C. Zienkiewicz, J. Szmelter and J. Peraire (1) 105–121
- Adaptive implicit–explicit finite element algorithms for fluid mechanics problems, T.E. Tezduyar and J. Liou (2) 165–179
- Least-squares finite elements for Stokes problem, B.-N. Jiang and C.L. Chang (3) 297–311
- Miscellaneous topics*
- The Hamiltonian system and the spline function, X. Zhiyun (2) 125–139
- Nonlinear mechanics*
- Cam–Clay plasticity, Part I: Implicit integration of elasto-plastic constitutive relations, R.I. Borja and S.R. Lee (1) 49–72
- A single surface contact algorithm for the post-buckling analysis of shell structures, D.J. Benson and J.O. Hallquist (2) 141–163
- Adaptive implicit–explicit finite element algorithms for fluid mechanics problems, T.E. Tezduyar and J. Liou (2) 165–179
- A finite element with a unidirectionally enriched strain field for localization analysis, J. Fish and T. Belytschko (2) 181–200
- Finite element analysis of surface instability in hypo-elastic solids, J.P. Bardet (3) 273–296
- Numerical solution procedures*
- Analysis of elastic and elastic-plastic adhesive joints using a mathematical programming approach, U. Edlund and A. Klarbring (1) 19–47
- Cam–Clay plasticity, Part I: Implicit integration of elasto-plastic constitutive relations, R.I. Borja and S.R. Lee (1) 49–72
- A single surface contact algorithm for the post-buckling analysis of shell structures, D.J. Benson and J.O. Hallquist (2) 141–163
- Adaptive implicit–explicit finite element algorithms for fluid mechanics problems, T.E. Tezduyar and J. Liou (2) 165–179
- A finite element with a unidirectionally enriched strain field for localization analysis, J. Fish and T. Belytschko (2) 181–200
- Solution of three-dimensional boundary layer equations by a discontinuous finite element method, Part I: Numerical analysis of a linear model problem, P. Caussignac and R. Touzani (3) 249–271
- Least-squares finite elements for Stokes problem, B.-N. Jiang and C.L. Chang (3) 297–311
- On the invertibility of the isoparametric map, P.M. Knupp (3) 313–329

*Shells and plates*

- Some numerical aspects of mixed finite elements for bending plates, P. Destuynder and T. Nevers (1) 73 – 87  
 A  $C^0$ -anisoparametric three-node shallow shell element, A. Tessler (1) 89 – 103  
 Hybrid-Trefftz quadrilateral elements for thick plate analysis, J. Petrolito (3) 331 – 351

*Solutions of ordinary and partial differential equations*

- Least-squares finite elements for Stokes problem, B.-N. Jiang and C.L. Chang (3) 297 – 311

*Structural mechanics*

- Hybrid-Trefftz quadrilateral elements for thick plate analysis, J. Petrolito (3) 331 – 351

*Elasticity*

- Analysis of elastic and elastic-plastic adhesive joints using a mathematical programming approach, U. Edlund and A. Klarbring (1) 19 – 47  
 Hybrid-Trefftz quadrilateral elements for thick plate analysis, J. Petrolito (3) 331 – 351

*Plasticity*

- A new approach to finite deformation problems of elastoplasticity – boundary element analysis method, Z.Q. Chen and X. Ji (1) 1 – 18  
 Analysis of elastic and elastic-plastic adhesive joints using a mathematical programming approach, U. Edlund and A. Klarbring (1) 19 – 47  
 Cam-Clay plasticity, Part I: Implicit integration of elasto-plastic constitutive relations, R.I. Borja and S.R. Lee (1) 49 – 72  
 Finite element analysis of surface instability in hypo-elastic solids, J.P. Bardet (3) 273 – 296

*Spline approximation*

- The Hamiltonian system and the spline function, X. Zhiyun (2) 125 – 139

*Boundary element methods*

- A new approach to finite deformation problems of elastoplasticity – boundary element analysis method, Z.Q. Chen and X. Ji (1) 1 – 18

*Boundary layers*

- Solution of three-dimensional boundary layer equations by a discontinuous finite element method, Part I: Numerical analysis of a linear model problem, P. Caussignac and R. Touzani (3) 249 – 271

*Stability in structural mechanics*

Finite element analysis of surface instability in hypo-elastic solids, J.P. Bardet (3) 273 – 296

*Least squares method*

Least-squares finite elements for Stokes problem, B.-N. Jiang and C.L. Chang (3) 297 – 311

*Viscous flow*

Least-squares finite elements for Stokes problem, B.-N. Jiang and C.L. Chang (3) 297 – 311

